

Course description

Part 1

General information about the course					
1. Major of study: medicine			2. Study level: unified MSc		
4. Year: 5			3. Form of study: intramural		
6. Course name: surgery core			5. Semester: 9/10		
7. Course status: required					
8. Course contents nad assigned learning outcomes					
Dysphagia, vomiting, foreign body in the oesophagus, perforation od the oesophagus (traumatic, iatrogenic).					
Oesophagostenosis – oesophageal cancer, functional impairments, inflammatory conditions					
Early diagnosis of tumours of the upper alimentary tract					
Bleeding from the upper alimentary tract: ulcerative disease, cancer, iatrogenic injury					
Diseases of the stomach and the duodenum: role of X-ray and endoscopy in diagnostics; treatment of complications in ulcerative disease – perforation, ulcer bleeding, gastric carcinoma, polyps, inflammatory conditions, haemorrhagic gastritis.					
Diseases of the liver; injuries of the liver					
acute pancreatitis					
F.W 1, FW 10					
Learning outcomes / reference to learning outcomes indicated in the standards					
For knowledge – student knows and understands: F.W 1, FW 10					
FW 2, FW3 ,					
For skills student can do:AU 5, eu24, DU14, EU1, EU 3 , Fu3, EU 6					
For social competencies student is ready to P_C01/C_C01, P_C01/C_C02, P_C01/C_C03, P_C01/C_C04, P_C01/C_C05					
9. Number of hours for the course					375
10. Number of ECTS points for the course					18,5
11. Methods of verification and evaluation of learning outcomes					
Learning outcomes		Methods of verification		Methods of evaluation*	
Knowledge		Written evaluation – open questions Grade credit – MCQ			
	For grade 2	For grade 3	For grade 4	For grade 5	

K1	A student does not know the basic diagnostic investigations or is not able to interpret them; does not know contraindications for endoscopic examination	A student knows the basic diagnostic investigations, is able to interpret them; knows basic indications and contraindications for endoscopic examination	A student knows most of the diagnostic investigations, is able to interpret them; knows most of the basic indications and contraindications for endoscopic examination	A student can name all the diagnostic investigations and interpret them; knows indications and contraindications for endoscopic examination	
K2	A student does not know the examination procedures	A student knows the examination procedures	A student knows the examination procedures as well as corresponding indications and contraindications	A student knows the examination procedures as well as corresponding indications and contraindications and the methods of preparing the patient for individual procedures	
K3	A student does not know the aetiology and regimen in the most prevalent conditions of the upper alimentary tract	A student knows the aetiology and course of the most prevalent conditions of the upper alimentary tract	A student knows the aetiology and course of the most prevalent conditions of the upper alimentary tract; knows the diagnostic and therapeutic procedures	A student knows the aetiology and course of the most prevalent conditions of the upper alimentary tract; knows the diagnostic and therapeutic	

				procedures; knows when to withdraw treatment and how to proceed in complications	
K4	A student does not know indications for surgery in conditions of the upper alimentary tract	A student knows indications for surgery in conditions of the upper alimentary tract	A student knows indications for surgery, the surgical methods, possible postoperative complications and their meaning for the further course of the disease	A student knows indications for surgery, the surgical methods, the conservative treatment procedures, possible post- operative complications and their meaning for the further course of the disease	
K5	A student does not know how to proceed in postoperative complications	A student knows how to proceed in some postoperative complications	A student knows how to proceed in most of the postoperative complications	A student knows how to proceed in most of the postoperative complications and knows the diagnostics of complications	
K6	A student does not know the liver diseases qualifying for surgery or does not know the	A student knows the liver diseases qualifying for surgery and knows the diagnostic procedures	A student knows the liver diseases qualifying for surgery, knows the diagnostic procedures and is able to interpret	A student knows the liver diseases qualifying for surgery, knows the diagnostic procedures,	

	diagnostic procedures		the results	is able to interpret the results and to establish the regimen	
K7	A student does not know indications for surgery in diseases of the liver	A student knows indications for surgery in diseases of the liver	A student knows indications for the liver surgery and understands consequences of the surgery	A student knows indications and contraindications for the liver surgery and understands consequences of the surgery	
K8	A student does not know methods of surgical treatment in diseases of the liver and does not know potential complications	A student knows methods of surgical treatment in diseases of the liver and knows potential complications	A student knows methods of surgical treatment in diseases of the liver , knows potential complications and diagnostics of the complications	A student knows methods of surgical treatment in diseases of the liver , knows potential complications and diagnostics of the complications and knows the methods to evaluate to the risk of the liver resection	
K9	A student does not know the aetiology, diagnostics or forms of	A student knows the aetiology, diagnostics and forms of acute pancreatitis	A student knows the aetiology, diagnostics and forms of acute pancreatitis and the regimen in	A student knows the aetiology, diagnostics and forms of acute	

	acute pancreatitis		acute pancreatitis	pancreatitis and the regimen in acute pancreatitis as well as potential complications	
K10	A student does not know the local complications in acute pancreatitis and the surgical treatment methods	A student knows the local complications in acute pancreatitis and the surgical treatment methods	A student knows the local complications in acute pancreatitis and the surgical treatment methods as well as diagnostics of complications	A student knows the local complications in acute pancreatitis and the surgical treatment methods as well as diagnostics of complications and is able to propose appropriate regimen for local complications in acute pancreatitis	
W zakresie umiejętności Skills		Sprawozdanie / Report Obserwacja / Observation Egzamin praktyczny / Practical exam		*	
S1	A student is not able to analyse the medical documentation	Based on the documentation, a student is able to propose proper diagnosis and to interpret the test results	Based on the documentation, a student is able to propose proper diagnosis and to interpret the test results and to evaluate the onset of the disease	Based on the documentation, a student is able to propose proper diagnosis, to interpret the test results to evaluate the grade of the disease	

				and to propose further treatment	
S2	A student is not able to take the patients history and to perform the physical examination	A student is able to take the patients history and to perform the physical examination	A student is able to take the patients history, to perform the physical examination and to draw proper conclusions following the examination	A student is able to take the patients history ,to perform the physical examination and to draw proper conclusions following the examination, showing appropriate examination skills.	
W zakresie kompetencji Competencies		Obserwacja / Observation		*	
C1	A student fails to establish good rapport with the patient	A student establishes good rapport with the patient	A student easily establishes good rapport with the patient	A student easily establishes good rapport with the patient, showing understanding of the patients situation	
C2	A student fails to accept the good of the patient as a priority	A student accepts the good of the patient as a priority	A student accepts the good of the patient as a priority during examination and when proposing further treatment	A student accepts the good of the patient as a priority during examination and when proposing further	

				treatment and when selecting additional investigations	
C3	A student fails to observe the rules of medical confidentiality or the rights of the patient	A student observes the rules of medical confidentiality or the rights of the patient	A student observes the rules of medical confidentiality or the rights of the patient		
C4	A student shows poor awareness of own limitations and recognizes no need for permanent study	A student is aware of own limitations and recognizes the need for permanent study	A student is aware of own limitations and recognizes the need for permanent study and during classes spares no effort to gain the knowledge and skills	A student is aware of own limitations and recognizes the need for permanent study and during classes spares no effort to gain the knowledge and skills, showing systematized knowledge	
C5	A student fails to observe the established rules of examining the patient	A student observes the established rules of examining the patient	A student observes the established rules of examining the patient	A student observes the established rules of examining the patient	

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved

Course description

Part 2

Other useful information about the course		
12. Name of Department, mailing address, e-mail: Department of Gastrointestinal Surgery, kchpp@sum.edu.pl		
13. Name of the course coordinator: Sławomir Mrowiec MD. PhD,		
14. Prerequisites for knowledge, skills and other competencies: Credits and passed examinations prescribed by the syllabus for the 4rd year of study		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials		
17. Location of classes	14 Medyków St., 40-752 Katowice, PL floor 7 and 8	
18. Location and time for contact hours		
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
P_W01 / C_K01	A student knows what investigations should be made to diagnose a patient and knows indications and contraindications for endoscopy	F.W1
P_W02 / C_K02	A student knows methodology of diagnostic tests	F.W1, FW 10
P_W02 / C_K03	A student knows etiology, course and therapies in most prevalent conditions of the upper alimentary tract.	F.W1
P_W02 / C_K04	A student knows indications for surgery and surgical regimen in conditions of the upper alimentary tract.	F.W3, F.W4
P_W02 / C_K05	A student knows what post-operative complications may occur and knows basic procedures in complications	F.W3, F.W4
P_W02 / C_K06	A student knows diseases of the liver and diagnostic methods	F.W3
P_W02 / C_K07	A student knows indications for surgery in hepatic conditions	F.W1
P_W02 / C_K08	A student knows methods of surgical treatment on diseases of the liver and knows potential complications.	F.W3
P_W02 / C_K09	A student knows etiology, diagnostics and forms of acute	F.W1

	pancreatitis.	
P_W02 / C_K010	A student knows methods of surgical treatment of local complications in acute pancreatitis.	F.W3, F.W4
P_U01 / C_S01	A student is able to analyze medical documentation	A.U5 E.U24
P_U02 / C_S02	A student is able to take the patient's history and to perform physical examination	A.U5, D.U14, E.U1, E.U3, F.U3, E.U6
P_C01/C_C01	A student is competent to establish a good rapport with a patient, full of respect	
P_C01/C_C02	A student is competent to accept the patient's welfare as a priority	
P_C01/C_C03	A student keeps medical confidentiality and observes the patient's rights	
P_C01/C_C04	A student is aware of his limitations and is ready to improve his skills permanently	
P_C01/C_C05	A student ensures appropriate conditions for examination observing the patient's privacy	
20. Forms and topics of classes		Number of hours
21.1. Lectures		20
Acute pancreatitis		3
Laparoscopy in gastrointestinal surgery		3
Colorectal cancer		2
Biliary cysts		2
Pancreatic cancer		2
Neoplasms of the upper gastrointestinal tract		2
Acute appendicitis		3
Large intestine - neoplasms		3
23.3. Labs		40
Dysphagia, vomiting, foreign body in the oesophagus, perforation of the oesophagus (traumatic, iatrogenic).		
Oesophagostenosis – oesophageal cancer, functional impairments, inflammatory conditions		
Early diagnosis of tumours of the upper alimentary tract		
Bleeding from the upper alimentary tract: ulcerative disease, cancer, iatrogenic injury		
Diseases of the stomach and the duodenum: role of X-ray and endoscopy in diagnostics; treatment of complications in ulcerative disease – perforation, ulcer bleeding, gastric carcinoma, polyps, inflammatory conditions, haemorrhagic gastritis.		
Diseases of the liver; injuries of the liver		
acute pancreatitis		
24. Readings		
Major readings: Principles and practice of Surgery. O.J. Garden, A. W. Bradbury, J.L.R. Forsythe, R. W.		

Parks				
25. Detail evaluation criteria				
<p>In accordance with the recommendations of the inspection bodies</p> <p>Completion of the course – student has achieved the assumed learning outcomes</p> <p>Detail criteria for completion and evaluation of the course are specified in the course regulations</p>				
	For grade 2	For grade 3	For grade 4	For grade 5
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K3	A student does not know the aetiology and regimen in the most prevalent conditions of the upper alimentary tract	A student knows the aetiology and course of the most prevalent conditions of the upper alimentary tract	A student knows the aetiology and course of the most prevalent conditions of the upper alimentary tract; knows the diagnostic and therapeutic procedures	A student knows the aetiology and course of the most prevalent conditions of the upper alimentary tract; knows the diagnostic and therapeutic procedures; knows when to withdraw treatment and how to proceed in complications
K4	A student does not know indications for surgery in	A student knows indications for	A student knows indications for	A student knows indications for

	conditions of the upper alimentary tract	surgery in conditions of the upper alimentary tract	surgery, the surgical methods, possible postoperative complications and their meaning for the further course of the disease	surgery, the surgical methods, the conservative treatment procedures, possible post-operative complications and their meaning for the further course of the disease
K5	A student does not know how to proceed in postoperative complications	A student knows how to proceed in some postoperative complications	A student knows how to proceed in most of the postoperative complications	A student knows how to proceed in most of the postoperative complications and knows the diagnostics of complications
K6	A student does not know the liver diseases qualifying for surgery or does not know the diagnostic procedures	A student knows the liver diseases qualifying for surgery and knows the diagnostic procedures	A student knows the liver diseases qualifying for surgery, knows the diagnostic procedures and is able to interpret the results	A student knows the liver diseases qualifying for surgery, knows the diagnostic procedures, is able to interpret the results and to establish the regimen
K7	A student does not know indications for surgery in diseases of the liver	A student knows indications for surgery in diseases of the liver	A student knows indications for the liver surgery and understands consequences of the surgery	A student knows indications and contraindications for the liver surgery and understands consequences of the surgery
K8	A student does not know methods of surgical treatment in diseases of the liver and does not know potential complications	A student knows methods of surgical treatment in diseases of the liver and knows potential complications	A student knows methods of surgical treatment in diseases of the liver, knows potential complications and diagnostics of	A student knows methods of surgical treatment in diseases of the liver, knows potential complications and diagnostics of the complications and knows the methods to evaluate to the risk

			the complications	of the liver resection
K9	A student does not know the aetiology, diagnostics or forms of acute pancreatitis	A student knows the aetiology, diagnostics and forms of acute pancreatitis	A student knows the aetiology, diagnostics and forms of acute pancreatitis and the regimen in acute pancreatitis	A student knows the aetiology, diagnostics and forms of acute pancreatitis and the regimen in acute pancreatitis as well as potential complications
K10	A student does not know the local complications in acute pancreatitis and the surgical treatment methods	A student knows the local complications in acute pancreatitis and the surgical treatment methods	A student knows the local complications in acute pancreatitis and the surgical treatment methods as well as diagnostics of complications	A student knows the local complications in acute pancreatitis and the surgical treatment methods as well as diagnostics of complications and is able to propose appropriate regimen for local complications in acute pancreatitis
S1	A student is not able to analyse the medical documentation	Based on the documentation, a student is able to propose proper diagnosis and to interpret the test results	Based on the documentation, a student is able to propose proper diagnosis and to interpret the test results and to evaluate the onset of the disease	Based on the documentation, a student is able to propose proper diagnosis, to interpret the test results to evaluate the grade of the disease and to propose further treatment
S2	A student is not able to take the patients history and to perform the physical examination	A student is able to take the patients history and to perform the physical examination	A student is able to take the patients history, to perform the physical examination and to draw proper conclusions following the	A student is able to take the patients history ,to perform the physical examination and to draw proper conclusions following the examination, showing appropriate

			examination	examination skills.
C1	A student fails to establish good rapport with the patient	A student establishes good rapport with the patient	A student easily establishes good rapport with the patient	A student easily establishes good rapport with the patient, showing understanding of the patients situation
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